



# NITFS Compliance Registration



**Product:** CIP v7.2a with SHARP Imagery

**Sponsor:** USAF CIP Program Office

**Developer:** Northrop Grumman Corporation

**Date:** 09 March 2010

**Expiration:** 08 March 2012

**Registration #:** 1043

- ☒ Initial Registration  
☐ Supplemental/Update #  
☐ Derived from Reg. #

☒ **System**  
N-0105/98, §4.1.1

☐ **Product**  
N-0105/98, §4.1.2

☐ **Component**  
N-0105/98, §4.1.3

Complexity Level						
NITF 2.1 CLEVEL						
	3	5	6	7		
Interpret						
Generate						
NITF 2.0 CLEVEL						
	1	2	3	4	5	6 Oth
Interpret						
Generate						

## Configurations Tested:

-2 Servers (A&B); Compaq ES45, 1250 MHz\*4CPUs and  
Tru64 UNIX®V5.1B

## NITFS Features Implemented:

### Format

#### NITF

- ☒ 2.1  
☐ 2.0  
☐ 1.1

#### NSIF

- ☐ 1.0

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Annotation Segment Types

- ☐ Bit Mapped \*\*  
☐ CGM, 2301  
☐ CGM, 2301A  
☐ Labels \*\*

### Text Segments

- ☐ STA  
☐ UT1  
☐ U8S  
☐ MTF

### Image Segment Types

- ☒ MONO  
☐ RGB  
☐ RGB/LUT  
☐ YCbCr  
☐ MULTI  
☐ NODISPLAY  
☐ POLAR

### Image Compression

- ☒ No compression  
☐ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsampling  
☐ JPEG Lossless  
☒ JPEG 2000  
☐ Bi-Level  
☐ Vector Quantization

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☐ Registered Extensions \*\*

### Tagged Record Extensions

- ☒ MTXFIL  
☒ J2KLRA  
☒ ICHIPB  
☐ ASDEs

## Legend

- Interpret  
Gen  
☒ Fully implemented  
☒ Partially implemented  
☐ Not implemented

VALERIE BAKER, Lt Col, USAF, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program

*Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
a product for the intended use. Optional NITFS features may not be implemented.*